

# PRODUCT DATA SHEET

## Sikafloor®-33 PurCem®

### UV STABLE POLYURETHANE PIGMENTED FINISH COAT FOR PURCEM HB-22 SYSTEM

#### DESCRIPTION

Sikafloor Sikafloor®-33 PurCem® is a Polyurethane/Cement coating that provides a UV colour stable option for the Sikafloor PurCem HB-22 textured heavy duty system.

#### USES

- Food and Beverage production and Processing facilities.
- In Commercial Food premises where UV stability for optimum appearance is important.
- As a chemical resistant coating.

#### CHARACTERISTICS / ADVANTAGES

- Totally UV Stable
- Very low VOC
- Non food tainting - odourless
- Excellent chemical resistance
- HACCP - Food grade approved as part of the PurCem HB-22 System.
- Integrated with Sikafloor 31 PurCem coating components - part B substitution only required.

#### PRODUCT INFORMATION

##### Packaging

5.2kg kit: A+B+C+Pigment  
 Part A 1.3kg Part B 1.9kg Part C 1.6 kg Pigment 0.4kg  
 PurCem Accelerator: The addition of Sikafloor PurCem Accelerator is required for Sikafloor 33 PurCem:  
 The achieve similar curing to Sikafloor 31PurCem please refer to the below Sikafloor PurCem Accelerator Addition Guide:

Temp 15 Degrees C - 200mls/5.2kg kit  
 Temp 6 Degrees C - 300mls/5.2kg kit

##### Appearance / Colour

Pigmented coating.  
 Refer to the Sikafloor PurCem colour range chart

<b>Shelf life</b>	Part A 9 months Part B 6 months Part C 6 months Pigment 9 months
<b>Storage conditions</b>	Store between +5 and +30 degrees
<b>Density</b>	1.40 kg /L
<b>Shore D Hardness</b>	80 - ASTM-2240
<b>Abrasion Resistance</b>	1.57 g - ASTM D 4060
<b>Tensile Adhesion Strength</b>	1.75 Mpa - ASTM D 3441
<b>Chemical Resistance</b>	Excellent resistance to a wide range of chemicals. Refer to PurCem Chemical resistance document.
<b>Skid / Slip Resistance</b>	Sikafloor PurCem systems cater for and conform to a range of textures as per P rating AS 4585-2013 These ratings depend on the requirement of a given facility and are generally P4- P5 for wet areas Refer to Sika Technical Dept for further information and documentation
<b>Mixing Ratio</b>	Only mix full kits of Sikafloor 33 PurCem and ensure the correct amount of PurCem accelerator is added as per the below guide. 5.2kg kit: A+B+C+Pigment Part A 1.3kg Part B 1.9kg Part C 1.6 kg Pigment 0.4kg PurCem Accelerator: The addition of Sikafloor PurCem Accelerator is <u>required for Sikafloor 33 PurCem</u> : The achieve similar curing to Sikafloor 31PurCem please refer to the below Sikafloor PurCem Accelerator Addition Guide  Temp 15 Degrees C - 200mls/5.2kg kit Temp 6 Degrees C - 300mls/5.2kg kit
<b>Ambient Air Temperature</b>	Do not apply below 10 degrees C or above 30 degrees C
<b>Consumption</b>	As a coating for Siksfloor HB-22 Textured system - approx 1.8 - 2.2 M2 per litre per coat (6.5 - 8.0 m2 per 3.71L kit )
<b>Relative Air Humidity</b>	Maximum RH - 85%
<b>Substrate Moisture Content</b>	Apply on substrates below 10% surface moisture ( See Sikafloor HB-22 Pur-Cem TDS )
<b>Pot Life</b>	15-20 minutes at 20 degrees C
<b>Curing Time</b>	Foot traffic - 8-10 h Vehicular traffic 36 h Full chemical cure 5 days (at 20 degrees C)
<b>Waiting Time / Overcoating</b>	16h min / 48 h max (at 20 degrees C)

## APPLICATION INSTRUCTIONS

### EQUIPMENT

For optimum results;  
Apply with a centre shafted roller frame at least 350mm in width.  
Roller knap length of 15mm minimum

### MIXING

Mixing will be affected by temperature; condition materials for use to 18 - 15 Degrees C.

1. Add pigment to part A, stir for for approximately 15 seconds.
2. Add component B, mix for approx 30 seconds.

3. While mixing, add component C within 15 seconds.
4. Further mix for 2 minutes until the mixture is homogeneous and the pigment is uniformly dispersed.
5. Add required amount of Sikafloor PurCem accelerator and mix for a further 30 seconds.  
Use material immediately  
Note: Failure to follow the above may result in uneven gloss and or colour in the finished product

### APPLICATION

Apply evenly with correct roller and roller sleeves as described in Equipment section.  
For best results on textured HB-22 systems, pour the product onto the surface in lines and apply out with a rubber tipped squeegee.

"Lay off" the excess with the rollers to create and even distribution in the texture.

Performing this then at a right angle will further even out the product distribution .

Note:

Mixing buckets should be discarded for new ones approx every 3-4 mixes at 20 degrees C.

Roller sleeves should be discarded for new ones approx every 30 minutes at 20 degrees C.

Failure to do this will likely result in uneven texture and sheen in the finished product.

For lighter colours and or being applied on Broadcast B1 texture, consideration should be given to a second coat to ensure full colour distribution.

## **CLEANING OF EQUIPMENT**

Clean equipment with Sika Colma Cleaner

## **CLEANING**

## **FURTHER INFORMATION**

Use of Accelerator in Sikafloor®-33 PurCem® is necessary to aid in curing in temperatures below approx 27 degrees C.

Refer to the dosage rates for guidance.

Protect the surface from traffic such as machinery assembly in production facilities with suitable barrier.

Do not expose the Sikafloor®-33 PurCem® surface to high levels of acids and chlorines when plant is being commissioned.

This will result in staining of the surface. (refer to Sika Technical document on passivation of plant and equipment)

## **BASIS OF PRODUCT DATA**

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## **LOCAL RESTRICTIONS**

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## **ECOLOGY, HEALTH AND SAFETY**

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety related data.

## **LEGAL NOTES**

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommenda-

tions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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